## 2018 Near Term Actions

Four-year Prioritization & 2019/2021 Funding Decision

### Criteria

- Actions we can measure on the ground: Capital projects that have a high contribution (i.e. significant contribution to an established recovery target) to recovery.
- Programmatic Support: Non-capital projects (or elements of projects) that have fewer dedicated funding sources: Examples include science, monitoring, education, and behavior change.
- Scalability: Easily scaled to direct award allocation. Timing of project implementation (i.e. single-phase efforts that can be quickly implemented/mobilized within two years).

## Snohomish + Combined Basin 2018 Local NTAs

NTA ID	Title	Type of Action	Tier	Cost	Activity Type
2018-0635	Tulalip Shoreline Landowner Outreach and Education Campaign	Non site-specific	4	\$200,000	2.2
2018-0123	Using Beaver to Restore Ecosystem Function in the Snohomish Watershed	Site specific	4	\$193,536	1.1
2018-0749	Incorporating Climate Change into the Design of Culverts Prioritized for Replacement to Improve Fish Passage in King County	Non site-specific	4	\$110,000	1.1
2018-0271	Tolt River Mouth & Lower Frew Floodplain Reconnection Design/Construction	Site specific	4	\$17,000,000	1.1
2018-0296	Barfuse/Hafner Floodplain Reconnection Design and Construction	Site specific	4	\$12,000,000	1.1
2018-0338	Snohomish Basin Floodplain Acquisition Strategy	Site specific	4	\$3,000,000	3.1
2018-0970	Forest Management for Water and Climate Preparedness: assessing alternative forest actions individually and in aggregate for estimates of effectiveness in improving surface and groundwater management for salmon using future scenarios.	Non site-specific	4	\$302,000	3.4
2018-0397	Pilchuck River Dam and Armoring Removal Restoration Project	Site specific	4	\$2,522,000	1.1
2018-0400	Coho Creek Relocation and Enhancement Project	Site specific	4	\$208,538	1.1
2018-0541	Spencer Island Estuary Restoration	Site specific	4	\$6,500,000	1.1
2018-0584	Snohomish River Estuary Derelict Vessel Removal	Site specific	4	\$450,000	1.1
2018-0968	Strategic outreach to encourage owners of priority King County Land Conservation Initiative properties to enroll in PBRS/CUT	Site specific	4	\$500,000	2.2
2018-0971	Farm and forest plan implementation and barriers to adopting best management practices.	Site specific	4	\$375,000	2.2
2018-0589	Snohomish River Estuary Creosote Piling Removal Planning, Prioritization, and Removal	Site specific	4	\$100,000	1.1
2018-0792	Source Identification of Toxics Impacting Juvenile Chinook Salmon in Two Major Puget Sound Rivers	Site specific	4	\$550,000	3.5
2018-0799	Snohomish Confluence Project	Site specific	4	\$617,000	1.1

Activity Type Key
1.1 Ecosystem Management & Restoration
1.2 Species Management & Recovery
2.1 Behavior Change - Awareness Raising (Education)
2.2 Behavior Change - Livelihood, Economic & Other Incentives
2.3 Behavior Change - Law Enforcement & Compliance
3.1 Ecosystem Protection
3.2 Recovery Design and Planning
3.3 Law, Policy, Regulations
3.4 Research
3.5 Monitoring & Evaluation
3.6 Formal Education & Technical Capacity Building
3.7 Institutional Infrastructure & Development

NTA ID	Title	Type of Action	Tier	Cost	Activity Type
2018-0097	Sustainable Lands Strategy Communication and Outreach	Non site-specific	3	\$175,000	2.2
2018-0841	Working buffers for water quality, wildlife habitat, and agricultural resilience on agricultural lands	Site specific	4	\$165,000	1.1
2018-0304	Comprehensive Fish Passage Assessment of 4 high priority subbasins	Non site-specific	3	\$200,000	3.2
2018-0330	Catchment Wide Ditch Maintenance Retrofit Project	Non site-specific	3	\$250,000	3.4
2018-0399	Integrated Hydraulic and Hydrologic Modeling in the Snohomish River and Stillaguamish River Watersheds	Non site-specific	3	\$713,000	3.4
2018-0129	Financing Options for Healthy Onsite Sewage Systems (OSS)	Non site-specific	3	\$675,000	2.2
2018-0872	Snohomish County Farmland Protection Initiative	Site specific	4	\$468,000	3.1
2018-0256	Surface Water Incentive Program	Non site-specific	3	\$655,758	2.2
2018-0454	Latino Stormwater Pollution Awareness and Behavior Change Campaign - Phase 2	Non site-specific	3	\$604,800	2.1
2018-0509	Measurement of Pharmaceuticals, Personal Care Products, and Perfluoroalkyl Substances in Budd Inlet and Port Gardner Bay sediments	Non site-specific	3	\$104,018	3.5
2018-0499	Stormwater System Maintenance Outreach Effort	Non site-specific	3	\$150,000	2.1
2018-0134	Enhancing Lowland Anadromous Streams Using Beaver Dam Analogs (BDAs)	Site specific	3	\$45,234	1.1
2018-0162	Upper Snoqualmie River Riparian Restoration and Stewardship	Site specific	3	\$330,000	1.1
2018-0531	Infill - Land use planning to direct growth into the UGA	Non site-specific	3	\$340,000	3.2
2018-0551	Water Supply and Growth in the Rural/Resource Areas	Non site-specific	3	\$400,000	3.2
2018-0599	Farm Plans and CAO Regulatory Flexibility Assessment	Non site-specific	3	\$150,000	2.3
2018-0601	Social Marketing to Improve Forest Health through Private Property Stewardship	Non site-specific	3	\$235,260	2.1
2018-0613	Developing tools for multi-benefit project selection and sequencing in the Snohomish River Basin	Non site-specific	3	\$600,000	3.7
2018-0618	Stormwater Assessment, Outreach, and Assistance to Jurisdictions in the Snohomish Basin (WRIA 7)	Non site-specific	3	\$164,500	3.6
2018-0248	Skykomish River Riparian Restoration and Stewardship	Site specific	3	\$240,000	1.1

# Activity Type Key 1.1 Ecosystem Management & Restoration 1.2 Species Management & Recovery 2.1 Behavior Change - Awareness Raising (Education) 2.2 Behavior Change - Livelihood, Economic & Other Incentives 2.3 Behavior Change - Law Enforcement & Compliance 3.1 Ecosystem Protection 3.2 Recovery Design and Planning 3.3 Law, Policy, Regulations 3.4 Research 3.5 Monitoring & Evaluation 3.6 Formal Education & Technical Capacity Building 3.7 Institutional Infrastructure & Development

NTA ID	Title	Type of Action	Tier	Cost	Activity Type
2018-0623	Geomorphic Flood Hazard Risk on the Lower Skykomish River	Non site-specific	3	\$210,000	3.2
2018-0280	Stream-type Yearling Chinook Study in the Snoqualmie River	Site specific	3	\$90,000	3.4
2018-0667	Shoreline armoring monitoring and characterization of chinook salmon rearing capacity in edge habitats of Snohomish-Stilly LIO rivers using regional approaches.	Non site-specific	3	\$200,000	3.5
2018-0690	Enhance Code Enforcement Effectiveness on the Tulalip Reservation	Non site-specific	3	\$100,000	2.3
2018-0396	Tolt River Upper Frew Floodplain Reconnection Feasibility/Design	Site specific	3	\$3,400,000	1.1
2018-0715	Integrating climate resilience into farm-fish-flood project packages in the Snohomish and Stillaguamish River floodplains	Non site-specific	3	\$600,000	3.2
2018-0535	Making Space For Water Initiative: Water storage projects to restore salmon habitat, improve hydrology, and build climate resilience in the Stillaguamish and Snohomish River watersheds	Site specific	3	\$200,000	3.2
2018-0810	Stream and Lakeside Landowner Education and Assistance Program	Non site-specific	3	\$590,903	2.1
2018-0557	Ebey Island Land Management and Land Use Coordination Plan	Site specific	3	\$75,000	1.1
2018-0693	Big Buffers on Pilchuck River and French Creek	Site specific	3	\$500,000	1.1
2018-0716	Snohomish County Enhanced Conservation Reserve Enhancement Program Pilot Project	Site specific	3	\$100,000	2.2
2018-0837	Implementing a Strategic Watershed based Stormwater Facilities Retrofit Plan and Projects	Non site-specific	3	\$750,000	3.7
2018-0769	Commercial Property Engagement through Parking Lot Retrofits in Bear/Little Bear Watersheds	Site specific	3	\$329,500	1.1
2018-0873	Monitoring effectiveness of multi-benefit floodplain project implementation in Snohomish and Stillaguamish Rivers	Non site-specific	3	\$300,000	3.5
2018-0836	Enhancing soil health in a changing climate for hydrologic, habitat, and agricultural benefits	Site specific	3	\$140,000	1.1

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NTA ID	Title	Type of Action	Tier	Cost	Activity Type
2018-0843	Sound Horsekeeping - controlling mud and manure on horse properties in the Snohomish and Stillaguamish River watersheds and Camano Island	Site specific	3	\$270,000	1.1
2018-0972	Implementation of the top recommendations generated by the Snoqualmie Valley Fish Farm Flood advisory committee	Site specific	3	\$5,000,000	1.1
2018-0888	Capacity Building for Strategic Project Funding in the Snohomish- Stillaguamish LIO	Non site-specific	3	\$200,000	3.7
2018-0926	Sustaining School Green Stormwater Infrastructure	Non site-specific	3	\$199,300	3.7
2018-0976	Suspended sediment-bound toxic chemical fluxes from the Snohomish and/or Stillaguamish River to Puget Sound.	Site specific	3	\$600,000	3.5
2018-0964	Regulatory Harmonization for Salmon Habitat Protection and Restoration - Phase I: Methods and Tools	Non site-specific	3	\$394,085	3.6
2018-0966	Regulatory Harmonization for Salmon Habitat Protection and Restoration - Phase 2: Application of methods and tools developed in Phase I for regulatory permit support and policy action guidance for two pilot study areas in the Snohomish Basin	Non site-specific	3	\$258,380	3.6
2018-0555	New Ruralism	Non site-specific	2	\$310,000	3.2
2018-0617	Watershed Engagement for Decision Makers WRIAs 5 & 7	Non site-specific	2	\$33,000	2.1
2018-0922	Ranges of Woody Debris Frequency and Volume for Stream Habitat Restoration in King County and Other Puget Sound Lowland Areas.	Non site-specific	2	\$87,250	3.4
2018-0269	Snoqualmie River Temperature Study	Site specific	2	\$300,000	3.5
2018-0967	Urban Tree and Forest Canopy Cover Toolkit (Phase II)	Non site-specific	2	\$150,000	3.6
2018-0627	Lower French Creek Fish Passage Improvements	Site specific	2	\$1,200,000	1.1
2018-0650	Measuring Habitat Project Effectiveness	Site specific	2	\$86,000	3.5
2018-0904	Water Typing / eDNA Assessments	Site specific	2	\$400,000	1.1

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### Alternatives

#### **Programmatic Support Scenario**

NTA ID	Title	Owner	Type of Action	Cost	Tier	Notes	Activity Type
	Tulalip Shoreline Landowner Outreach and						i i
2018-0635	Education Campaign*	Tulalip Tribes	Non site-specific	\$200,000	4		2.2
2018-0749	Incorporating Climate Change into the Design of Culverts Prioritized for Replacement to Improve Fish Passage in King County	King County	Non site-specific	\$110,000	4		1.1
2018-0970	Forest Management for Water and Climate Preparedness: assessing alternative forest actions individually and in aggregate for estimates of effectiveness in improving surface and groundwater management for salmon using future scenarios.	Tulalip Tribes	Non site-specific	\$302,000	4		3.4
	Sustainable Lands Strategy Communication					Partially	
2018-0097	and Outreach*	WDFW	Non site-specific	\$175,000	3	included in FbD?	2.2
2018-0129	Financing Options for Healthy Onsite Sewage Systems (OSS)*	Snohomish County	Non site-specific	\$675,000	3		2.2
2018-0256	Surface Water Incentive Program*	Snohomish County	Non site-specific	\$655,758	3		2.2
2018-0304	Comprehensive Fish Passage Assessment of 4 high priority subbasins	King County	Non site-specific	\$200,000	3		3.2
	Catchment Wide Ditch Maintenance Retrofit						*
2018-0330	Project	King County	Non site-specific	\$250,000	3		3.4
2018-0399	Integrated Hydraulic and Hydrologic Modeling in the Snohomish River and Stillaguamish River Watersheds	Snohomish County	Non site-specific	\$713,000	3	Funded in FbD	3.4
2018-0454	Latino Stormwater Pollution Awareness and Behavior Change Campaign - Phase 2*	WSU Extension	Non site-specific	\$604,800	3	Previously LIO Direct Funded	2.1

<sup>\*</sup>Note that these NTAs also appear on the Behavior Change list

#### Measurable On-the-Ground Scenario

NTA ID	Title	Owner	Type of Action	Cost	Tier	Notes	Activity Type
	Using Beaver to Restore Ecosystem Function					Top 10 Stilly Priority	
2018-0123	in the Snohomish Watershed	Tulalip Tribes	Site specific	\$193,536	4	List	1.1
	Tolt River Mouth & Lower Frew Floodplain					2016 SRFB/PSAR	
2018-0271	Reconnection Design/Construction	King County	Site specific	\$17,000,000	4	Funding	1.1
	Barfuse/Hafner Floodplain Reconnection					2018 SRFB/PSAR	
2018-0296	Design and Construction	King County	Site specific	\$12,000,000	4	Funding	1.1
2018-0338	Snohomish Basin Floodplain Acquisition Strategy	Tulalip Tribes	Site specific	\$3,000,000	4	SRFB & Stilly IC Direct Funding (fully?)	3.1
2018-0397	Pilchuck River Dam and Armoring Removal Restoration Project	Tulalip Tribes	Site specific	\$2,522,000	4	2017 & 2018 PSAR/SRFB Funding	1.1
2018-0400	Coho Creek Relocation and Enhancement Project	Tulalip Tribes	Site specific	\$208,538	4		1.1
2018-0541	Spencer Island Estuary Restoration	WDFW	Site specific	\$6,500,000	4		1.1
2018-0584	Snohomish River Estuary Derelict Vessel Removal	Snohomish MRC	Site specific	\$450,000	4	Ongoing program previously LIO Direct Funded	1.1
2018-0589	Snohomish River Estuary Creosote Piling Removal Planning, Prioritization, and Removal	Snohomish MRC	Site specific	\$100,000	4		1.1
	Source Identification of Toxics Impacting Juvenile Chinook Salmon in Two Major Puget					2018 Stormwater SIAT Fully Funded	
2018-0792	Sound Rivers	WA Dept. of Ecology	Site specific	\$550,000	4	,,	3.5

#### Behavior Change Scenario

NTA ID	Title	Owner	Type of Action	Cost	Tier	Notes	Activity Type
	Tulalip Shoreline Landowner Outreach and						
2018-0635	Education Campaign*	Tulalip Tribes	Non site-specific	\$200,000	4		2.2
	Strategic outreach to encourage owners of						
2018-0968	priority King County Land Conservation	Vin - County	Cita annaitia	\$500,000	4		2.2
2018-0968	Initiative properties to enroll in PBRS/CUT	King County	Site specific	\$300,000	4		2.2
	Farm and forest plan implementation and barriers to adopting best management						
2018-0971	practices.	King County	Site specific	\$375,000	4		2.2
2010-0371	practices.	King County	Site specific	7373,000	7		2.2
	Sustainable Lands Strategy Communication					Partially	
2018-0097	and Outreach*	WDFW	Non site-specific	\$175,000	3	included in FbD?	2.2
	Financing Options for Healthy Onsite Sewage	The Third State Control of the Contr	1				******
2018-0129	Systems (OSS)*	Snohomish County	Non site-specific	\$675,000	3		2.2
2018-0256	Surface Water Incentive Program*	Snohomish County	Non site-specific	\$655,758	3		2.2
	Latino Stormwater Pollution Awareness and					Previously LIO	
2018-0454	Behavior Change Campaign - Phase 2*	WSU Extension	Non site-specific	\$604,800	3	Direct Funded	2.1
	Stormwater System Maintenance Outreach						Î
2018-0499	Effort	Snohomish County	Non site-specific	\$150,000	3		2.1
	Farm Plans and CAO Regulatory Flexibility			- 44			
2018-0599	Assessment	King County	Non site-specific	\$150,000	3		2.3
	Social Marketing to Improve Forest Health						
2018-0601	through Private Property Stewardship	King County	Non site-specific	\$235,260	3		2.1

<sup>\*</sup>Note that these NTAs also appear on the Programmatic list

## Proposed follow-up with NTA owners

- Can your project be scaled to the \$100,000 award? If so, please explain.
- Are you ready to proceed upon award/can you implement the effort within the 18 months?

